Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application. Applicant has submitted a new complete claim set showing marked up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Listing of Claims:

1-46. (canceled)

- 47. (Currently amended) <u>A tangible computer-readable medium having stored</u> thereon computer-executable instructions for implementing a customizable visual user interface on a screen display of a telephony device comprising:
- an application program for providing services to a user on the telephony device;

 a shell program that exposes an application programming interface for

 customizing the customizable visual user interface;
- a message center operatively connected to the shell program for providing access to a user message; and

a telephony module for managing telephony functions,
wherein the application programming interface exposed by the shell program comprises
one or more methods, the application programming interface receiving input from an
application, and wherein execution of the one or more methods of the application
programming interface is responsive to the input from the application for customizing
the customizable visual user interface.

The computer readable medium of claim 1 wherein the telephony module includes an operator agent for determining a media mode of an incoming call.

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48. (Previously presented) The computer-readable medium of claim 47 wherein the

operator agent further hands the incoming call to the message transport based on the

media mode.

49. (Previously presented) The computer-readable medium of claim 48 wherein the

operator agent is implemented as a Protected Service Library (PSL).

50. (Previously presented) The computer-readable medium of claim 48 wherein the

message transport includes at least one of an answering machine transport, an e-mail

transport, a voice transport, a fax transport, a call slip manager, a telephony container,

and a voice-mail transport.

51. (Previously presented) The computer-readable medium of claim 48 wherein the

message transport includes a call slip manager that exposes a call slip manager

application programming interface, the call slip manager including at least one object.

52. (Previously presented) The computer-readable medium of claim 51 wherein the

at least one object has at least one function associated with the call slip manager

application programming interface, and wherein the call slip manager further exposes

the call slip manager application programming interface for accessing the at least one

function of the at least one object.

53. (Previously presented) The computer-readable medium of claim 52 wherein the

other processes are capable of communicating with the at least one object via the

application programming interface of the call slip manager.

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54. (Previously presented) The computer-readable medium of claim 52 wherein the

at least one object includes at least one pane encapsulated in the at least one object.

55. (Previously presented) The computer-readable medium of claim 54 wherein the

at least one pane includes at least one of a summary status pane, a call information

pane, and a control pane.

56. (Previously presented) The computer-readable medium of claim 55 wherein the

at least one pane includes a control pane and wherein the control pane further includes

at least one of a call slip control pane and an implementer supplied call slip control

pane.

57. (Previously presented) The computer-readable medium of claim 56 wherein the at

least one pane includes the control pane and the control pane includes the implementer

supplied call slip control pane and wherein the implementer supplied call slip control

pane includes an OEM call slip control.

58. (Previously presented) The computer-readable medium of claim 52 wherein the

call slip manager application programming interface includes an ICallSlip interface and

wherein the at least one function includes one of a function for sliding the object on the

 $\ display\ screen,\ responding\ to\ telephony\ events,\ communicating\ changes\ in\ line\ state,$

and communicating changes in line information.

59. (Previously presented) The computer-readable medium of claim 54 wherein the

at least one pane exposes a pane application programming interface, wherein the pane

application programming interface receives input from a user and wherein the display

appearance of the at least one pane is modified based on the input.

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60. (Previously presented) The computer-readable medium of claim 59 wherein the

at least one pane receives an interface pointer associated with the corresponding at

least one object.

61. (Previously presented) The computer-readable medium of claim 60 wherein the

at least one object provides a service corresponding to the interface pointer to the

corresponding at least one pane.

62. (Currently amended) The computer-readable medium of claim 1-47 wherein the

message transport includes at least one object having at least one function and

including at least one pane encapsulated in the at least one object on the visual user

interface and wherein customizing comprises adding one or more panes to the visual

user interface for the telephony device.

63. (Previously presented) The computer-readable medium of claim 62 wherein the

one or more panes added to the visual user interface is associated with a parent

application separate from the shell program.

64. (Previously presented) The computer-readable medium of claim 63 wherein the

parent application is operable to communicate with the shell program via the application ${\bf r}$

programming interface.

65. (Currently amended) The computer-readable medium of claim ± 47 wherein the

customizable visual user interface further comprises a message transport for receiving

the user message and a message viewer for outputting the user message.

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66. (Previously presented) The computer-readable medium of claim 65 wherein the

message transport executes in the background separately from the shell program.

67. (Previously presented) The computer-readable medium of claim 66 wherein the

message transport includes a telephony application.

68. (Previously presented) The computer-readable medium of claim 66 wherein the

message transport includes a voice transport for receiving an incoming call from an

operator agent.

69. (Previously presented) The computer-readable medium of claim 68 wherein the

voice transport further creates and manages an outgoing voice call.

70. (Currently amended) The computer-readable medium of claim 1-47 wherein the

telephony module comprises one of an operator agent, a telephone monitoring

application, a transport, a call slip manager, and a call slip program.

71. (Previously presented) The computer-readable medium of claim 70 wherein the

telephony module includes a call slip manager, the call slip manager providing a second

application programming interface for receiving input from an implementer, new slip

components being incorporated into the module based on the input received at the $% \left(1\right) =\left(1\right) \left(1\right)$

second application programming interface.

72. (Currently amended) The computer-readable medium of claim 1-47 wherein the

shell program provides a framework of the customizable visual user interface on the

screen display of the telephony device.

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 (Currently amended) The computer-readable medium of claim 1-47 wherein the shell program provides services and receives input from an application via the

application programming interface exposed by the shell program.

74. (Previously presented) The computer-readable medium of claim 73 wherein the

services provided by the shell program includes an event scheduling service.

75. (Currently amended) The computer-readable medium of claim 1-47 wherein the

shell program incorporates a custom application program via the application

programming interface exposed by the shell program.

76. (Previously presented) The computer-readable medium of claim 75 wherein the

custom application program invokes a platform service of the shell program through the

application programming interface exposed by the shell program.

77. (Previously presented) The computer-readable medium of claim 76 wherein the

custom application program includes a third party application.

78. (Previously presented) A method of creating a customizable visual user interface

for a telephony device with a screen display, the method comprising:

providing, on one or more tangible computer-readable media, software comprising computer-executable instructions for customizing the customizable visual

user interface, the customizable visual user interface comprising a branding area for

displaying a brand graphic, wherein the branding area is operable to allow a user to

connect to an internet location via the telephony device, and wherein the internet

location is associated with the brand graphic:

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wherein the software for customizing the customizable visual user interface comprises at least one application programming interface comprising one or more methods for adding one or more custom panes corresponding to a parent application to the customizable visual user interface, the at least one application programming

interface exposed by a shell program;

wherein the software for customizing the customizable visual user interface is provided by a first software provider to a second software provider: and

wherein customization of the customizable visual user interface is performed by

79. (Currently amended) A method for developing software to run on a telephony

the second software provider using the application programming interface.

device, the method comprising:

receiving, on one or more tangible computer-readable media, a software platform comprising computer-executable instructions for displaying a user interface on a display screen of the telephony device, wherein the software platform includes a shell program that exposes a programmatic programming interface operable to provide functionality for customizing the user interface:

receiving default user interface program modules that each display default user interface elements in the user interface; and

creating a custom user interface program module, wherein the custom user interface program module uses the programmatic programming interface operable to provide functionality for customizing the user interface and displays a custom user interface element in the user interface, the custom user interface element associated with a parent application not included in the received software platform or the received default user interface program modules; and

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enumerating the custom program module in a data structure of an operating system to enable the software platform to identify the custom user interface element and add the custom user interface element to the user interface.

80. (Canceled)

81. (previously presented) A method for developing software to run on a telephony device, the method comprising:

receiving, on one or more tangible computer-readable media, a software platform comprising computer-executable instructions for displaying a user interface on a display screen of the telephony device, wherein the software platform includes a shell program that exposes a programmatic programming interface operable to provide functionality for customizing the user interface:

receiving default user interface program modules that each display default user interface elements in the user interface; and

creating a custom user interface program module, wherein the custom user interface program module uses the programmatic programming interface operable to provide functionality for customizing the user interface and displays a custom user interface element in the user interface, the custom user interface element associated with a parent application not included in the received software platform or the received default user interface program modules The method of claim 79 including:

for a selected default user interface element, selecting an associated application program from the set to be loaded onto and executed in the telephony device;

wherein the associated application program uses the selected default user interface element as a user interface.

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82. (previously presented) The method of claim 81 wherein the default program $\,$

modules include a message program module for displaying a user interface for a

message center application program in a message pane:

wherein the message center application program communicates state changes to

the message program module, and wherein the message program module updates the

message pane to reflect the state changes.

83. (previously presented) The method of claim 82 wherein the state changes include

arrival of a fax, email, or answering message, and the message program module

updates the message pane by displaying an indicator of the arrival of the message.

84. (Previously presented) A tangible computer readable medium having programming

modules that control display of a user interface of a screen phone, the programming

modules including:

a shell program for controlling display of a user interface on a display screen of

the screen phone, wherein the shell program exposes a programmatic programming

interface operable to provide functionality for customizing the user interface;

default pane programs that each control display of default panes in the user

interface, at least one of the default pane programs providing a user interface for a

parent application program;

wherein the parent application program communicates state changes to a

corresponding default pane program, and the corresponding default pane program

updates the default pane to reflect the state changes; and

wherein the programmatic programming interface provides one or more

methods for creating one or more custom panes for display in the user interface, the

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custom panes associated with one or more parent applications outside the shell

program.

85. (Previously presented) A method of developing software for a customizable visual

user interface for a telephony device with a screen display, wherein the customizable

visual user interface comprises:

a message area for displaying a visual indicator of fax, e-mail, or answering

machine messages, the method comprising:

providing, on one or more tangible computer-readable media, software

comprising computer-executable instructions for implementing default elements of the

customizable visual user interface and customizing the customizable visual user

interface to a custom software implementer:

wherein the software for implementing default elements of the customizable

visual user interface and customizing the customizable visual user interface comprises

one or more application programming interfaces comprising one or more methods for

customizing the visual user interface, wherein at least one of the one or more

application programming interfaces is exposed by a shell program and comprises a

method for adding a custom pane corresponding to a parent application to the

customizable visual user interface.

86. (previously presented) The method of claim 85 wherein the customizable visual

user interface further comprises a branding area for displaying a brand graphic.

87. (Currently amended) A computer-implemented method for providing run-time

customization of a user interface of a telephony device, the method comprising:

at run-time of the user interface, accepting an indication that a new user

interface element is to be added to the user interface of the telephony device; and

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responsive to the accepting, adding the new user interface element to the user interface of the telephony device;

wherein the accepting facilitates customization of the user interface of the telephony device at run-time of the user interface; and

wherein the new user interface element is associated with a parent application

separate from a shell program implementing default elements of the user interface,

wherein the accepting is accomplished via a programmatic programming

interface, the method further comprising:

via the programmatic programming interface, accepting an indication that the

new user interface element is to be registered for receiving messages related to the new

user interface element.

88-90. (Canceled)

91. (Previously presented) A tangible computer-readable medium having stored

thereon software for implementing a customizable visual user interface for a telephony

device with a screen display, the visual user interface comprising:

an application program selection area, including user interface controls for

selecting application programs;

a call slip area, including a call slip user interface for displaying telephone line

state information: and

a customizable area including at least one user interface element enabling a user

wherein the software for implementing a customizable visual user interface

to activate an internet browser application program to access an online directory

service;

comprises at least one application programming interface comprising one or more

methods for customizing the customizable area, the at least one application

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programming interface provided by a shell program implementing default elements of the visual user interface; and

wherein at least one of the one or more methods for customizing the customizable area is for adding one or more custom panes to the visual user interface for the telephony device, the one or more panes associated with a parent application separate from a the shell program implementing default elements of the visual user interface.